

Economics

Overview

Founded in 1903, the Economics Department at UC Berkeley is well-known for the excellence of its teaching and advising, with a strong reputation for producing outstanding PhD graduates as well as rigorous and innovative economic research. In recent years, Berkeley economics PhD's have been hired at many other leading institutions including Harvard, MIT, Yale, the US Federal Reserve, and the World Bank. The Department is also consistently ranked among the world's top research departments. Berkeley faculty have won five Nobel Prizes, five John Bates Clark Medals, and 21 Alfred P. Sloan Research Fellowships (<http://emlab.berkeley.edu/econ/awards.shtml/#nobel>) (an average of one per year since 1995). Berkeley economics faculty and students have done ground-breaking work in economic theory, econometrics, macroeconomics, and all major fields of applied research, and they have served as policymakers at the highest levels, both in the US and abroad.

Libraries

The Thomas J. Long Business Library (<http://www.lib.berkeley.edu/BUSI>) houses the major collection of business administration materials on the University of California, Berkeley campus. The Long Library's collections emphasize the academic and scholarly aspects of business to support the research and teaching mission of the University. Special strengths of the collection include: business ethics, company and business history, corporate finance, corporate social responsibility, entrepreneurship, family business, high technology industries, innovation and technological change, and nonprofit management. The collection, which spans the physical library, offsite storage in Richmond, and the web includes over 150,000 books, 1.6 million microforms, and thousands of subscriptions in digital format. A large digital library in the social sciences supports the interdisciplinary research needs of graduate students and faculty.

The Mathematics Statistics Library (<http://www.lib.berkeley.edu/math/aboutlibrary/econlab.html>) maintains a reserve collection of software manuals for the Econometrics Lab (<http://emlab.berkeley.edu/eml>). The books are owned by the Econometrics Lab but circulated by the library on their behalf.

Research Centers

Faculty and students in the Department participate in many research centers. For further information, please see the Department's website (<https://www.econ.berkeley.edu/about-us/research-centers>).

Undergraduate Program

Economics (<http://guide.berkeley.edu/archive/2014-15/undergraduate/degree-programs/economics>) : BA

Graduate Program

Economics (<http://guide.berkeley.edu/archive/2014-15/graduate/degree-programs/economics>) : PhD

Economics

ECON 1 Introduction to Economics 4 Units

A survey of economics designed to give an overview of the field.

Rules & Requirements

Credit Restrictions: Students will receive 2 units of credit for 1 after taking Economics 3 or Environmental Economics and Policy 1; no credit after taking Economics 2.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 2 hours of discussion per week

Summer: 8 weeks - 4 hours of lecture and 4 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 2 Introduction to Economics--Lecture Format 4 Units

The course provides a survey of economics principles and methods. It covers both microeconomics, the study of consumer choice, firm behavior, and market interaction, and macroeconomics, the study of economic growth, unemployment, and inflation. Special emphasis is placed on the application of economic tools to contemporary economic problems and policies. Economics 2 differs from Economics 1 in that it has an additional hour of lecture per week and can thus cover topics in greater depth. It is particularly appropriate for intended economics majors.

Rules & Requirements

Credit Restrictions: Students will receive no credit for 2 after taking 1; 2 units after taking 3 or Environmental Economics and Policy 1.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON C3 Introduction to Environmental Economics and Policy 4 Units
Introduction to microeconomics with emphasis on resource, agricultural, and environmental issues.

Rules & Requirements

Prerequisites: Mathematics 32

Credit Restrictions: Students will receive 2 units of credit for 1 after taking Economics 1.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Also listed as: ENVECON C1

ECON 24 Freshman Seminar 1 Unit
The Freshman Seminar Program has been designed to provide new students with the opportunity to explore an intellectual topic with a faculty member in a small seminar setting. Freshman seminars are offered in all campus departments. Topics vary from department to department and semester to semester. Enrollment limited to 15 freshman.

Rules & Requirements

Repeat rules: Course may be repeated for credit as topic varies. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of seminar per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: The grading option will be decided by the instructor when the class is offered. Final exam required.

ECON 84 Sophomore Seminar 1 or 2 Units

Sophomore seminars are small interactive courses offered by faculty members in departments all across the campus. Sophomore seminars offer opportunity for close, regular intellectual contact between faculty members and students in the crucial second year. The topics vary from department to department and semester to semester. Enrollment limited to 15 sophomores.

Rules & Requirements

Prerequisites: At discretion of instructor

Repeat rules: Course may be repeated for credit as topic varies. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring:

5 weeks - 3-6 hours of seminar per week

10 weeks - 1.5-3 hours of seminar per week

15 weeks - 1-2 hours of seminar per week

Summer:

6 weeks - 2.5-5 hours of seminar per week

8 weeks - 1.5-3.5 hours of seminar and 2-4 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: The grading option will be decided by the instructor when the class is offered. Final exam required.

ECON 98 Directed Group Study 1 - 4 Units

Written proposal must be approved by Department Chair. Seminars for the group study of selected topics, which will vary from year to year. Topics may be initiated by students.

Rules & Requirements

Credit Restrictions: Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1-4 hours of directed group study per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

ECON 100A Economic Analysis--Micro 4 Units
Resource allocation and price determination.

Rules & Requirements

Prerequisites: 1 or 2 or C3, or Environmental Economics and Policy 1, and Mathematics 1A or 16A, and Mathematics 1B or 16B, or equivalent

Credit Restrictions: Students will receive no credit for 100A after taking 101A or Undergraduate Business Administration 101A. A deficient grade in Undergraduate Business Administration 101A may be repeated by taking 100A.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1-2 hours of discussion per week

Summer: 8 weeks - 6 hours of lecture and 1.5-4 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 100B Economic Analysis--Macro 4 Units
A study of the factors which determine national income, employment, and price levels, with attention to the effects of monetary and fiscal policy.

Rules & Requirements

Prerequisites: 1 or 2, and Mathematics 1A or 16A

Credit Restrictions: Students will receive no credit for 100B after taking 101B or Undergraduate Business Administration 101B. A deficient grade in Undergraduate Business Administration 101B may be repeated by taking 100B.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1-2 hours of discussion per week

Summer: 8 weeks - 6 hours of lecture and 1.5-4 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 101A Economic Theory--Micro 4 Units
Theory of resource allocation and price determination with an emphasis on microeconomic principles.

Rules & Requirements

Prerequisites: 1 or 2, Mathematics 53 or equivalent or consent of instructor

Credit Restrictions: Students will not receive credit for 101A after taking 100A or Undergraduate Business Administration 101A. A deficient grade in Undergraduate Business Administration 101A may be repeated by taking 101A.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1-2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 101B Economic Theory--Macro 4 Units
A study of theories of the determination of national income, employment, and price levels, with attention to the effects of monetary and fiscal policy.

Rules & Requirements

Prerequisites: 1 or 2, and Mathematics 1A and 1B

Credit Restrictions: Students will not receive credit for 101B after taking 100B or Undergraduate Business Administration 101B. A deficient grade in Undergraduate Business Administration 101B may be repeated by taking 101B.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1-2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON C102 Natural Resource Economics 4 Units

Introduction to the economics of natural resources. Land and the concept of economic rent. Models of optimal depletion of nonrenewable resources and optimal use of renewable resources. Application to energy, forests, fisheries, water, and climate change. Resources, growth, and sustainability.

Rules & Requirements

Prerequisites: 100, or Economics 100A or 100B

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Sunding

Also listed as: ENVECON C102

ECON C103 Introduction to Mathematical Economics 4 Units

Selected topics illustrating the application of mathematics to economic theory. This course is intended for upper-division students in Mathematics, Statistics, the Physical Sciences, and Engineering, and for economics majors with adequate mathematical preparation. No economic background is required.

Rules & Requirements

Prerequisites: MATH 53 and 54

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Formerly known as: 103

Also listed as: MATH C103

ECON 104 Advanced Microeconomic Theory 4 Units

This course explores some issues in advanced microeconomic theory, with special emphasis on game-theoretic models and the theory of choice under uncertainty. Specific applications will vary from year to year, but will generally include topics from information economics and models of strategic interaction.

Rules & Requirements

Prerequisites: 101A or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 105 History of Economic Thought 4 Units

A survey of the theories of major economists from Adam Smith to Keynes.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer:

6 weeks - 7.5 hours of lecture per week

8 weeks - 5.5 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON C110 Game Theory in the Social Sciences 4 Units

A non-technical introduction to game theory. Basic principle, and models of interaction among players, with a strong emphasis on applications to political science, economics, and other social sciences.

Rules & Requirements

Credit Restrictions: Students will receive no credit for C135 after taking Economics 104.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Formerly known as: 135

Also listed as: POL SCI C135

ECON N110 Game Theory in the Social Sciences 4 Units

A non-technical introduction to game theory. Basic principle, and models of interaction among players, with a strong emphasis on applications to political science, economics, and other social sciences.

Rules & Requirements

Credit Restrictions: Students will receive no credit for N110 after taking 104, C110, or Political Science C135.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer: 8 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

Formerly known as: 135

ECON 113 American Economic History 4 Units

A survey of trends in the American economy; emphasis on factors explaining economic growth and on the changing distribution of the gains and losses associated with growth.

Rules & Requirements

Prerequisites: 1 or 2 or C3, or Environmental Economics C1

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Summer: 8 weeks - 6 hours of lecture and 0-2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON N113 American Economic History 4 Units

A survey of trends in the American economy; emphasis on factors explaining economic growth and on the changing distribution of the gains and losses associated with growth.

Rules & Requirements

Prerequisites: 1 or 2

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer: 8 weeks - 8 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 115 The World Economy in the Twentieth Century 4 Units

Development of the world economic system with particular reference to world-wide trading relationships. This course is equivalent to HISTORY 160; students will not receive credit for both courses.

Rules & Requirements

Prerequisites: 1 or 2

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 119 Psychology and Economics 4 Units

This course presents psychological and experimental economics research demonstrating departures from perfect rationality, self-interest, and other classical assumptions of economics and explores ways that these departures can be mathematically modeled and incorporated into mainstream positive and normative economics. The course will focus on the behavioral evidence itself, especially on specific formal assumptions that capture the findings in a way that can be incorporated into economics. The implications of these new assumptions for theoretical and empirical economics will be explored.

Rules & Requirements

Prerequisites: 100A or 101A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Summer: 8 weeks - 6 hours of lecture and 0-2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 121 Industrial Organization and Public Policy 4 Units

The organization and structure of production in the U.S. economy. Determinants of market structure, business behavior, and economic performance. Implications for antitrust policy.

Rules & Requirements

Prerequisites: 100A or 101A

Hours & Format

Fall and/or spring: 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

Summer:

6 weeks - 8-8 hours of lecture and 0-2 hours of discussion per week
8 weeks - 6-6 hours of lecture and 0-1.5 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 122 Industrial Organization Seminar 4 Units

Seminar on problems in the field of industrial organization. Seminar paper is required.

Rules & Requirements

Prerequisites: 121 and/or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 123 Government Regulation of Industry 3 Units

Problems of public policy in the field of industrial organization. Analysis of regulatory consequences with particular attention to economic performance.

Rules & Requirements

Prerequisites: 121

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 124 Special Topics in Industrial Organization 4 Units

Analysis of market structure, conduct and performance in selected industries. See course announcement for current topics.

Rules & Requirements

Prerequisites: 121

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON C125 Environmental Economics 4 Units

Theories of externalities and public goods applied to pollution and environmental policy. Trade-off between production and environmental amenities. Assessing nonmarket value of environmental amenities. Remediation and clean-up policies. Environment and development. Biodiversity management.

Rules & Requirements

Prerequisites: 100, Mathematics 16A-16B, or Economics 100A or 101A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Zilberman

Also listed as: ENVECON C101

ECON 131 Public Economics 4 Units

This course focuses on the role of the government in the economy from a theoretical and empirical perspective. The aim of the course is to provide an understanding of the reasons for government intervention in the economy, analyzing the merits of possible government policies, and the response of economic agents to the government's actions. The course covers the analysis of tax policy, social insurance programs, public goods, environmental protection, and the interaction between different levels of government. Special emphasis is set on current government policy issues such as social security reform, income tax reform, and budget deficits.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B

Hours & Format

Fall and/or spring: 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

Summer:

6 weeks - 7.5-7.5 hours of lecture and 0-2.5 hours of discussion per week

8 weeks - 5.5-6 hours of lecture and 0-2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 132 Seminar in Public Sector Economics 4 Units

Enrollment will be limited. A seminar paper is required.

Rules & Requirements

Prerequisites: 131 and/or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 134 Macroeconomic Policy from the Great Depression to Today 4 Units

This course will analyze the macroeconomic challenges and policy responses in the United States over the past century. Among the key topics studied are the Great Depression and the New Deal; boom and bust monetary and fiscal policy in the early post-World War II period; the Volcker disinflation and the Great Moderation; and the 2008 financial crisis and the Great Recession.

Rules & Requirements

Prerequisites: 100B or 101B

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Romer

ECON 136 Financial Economics 4 Units

Analysis of financial assets and institutions. The course emphasizes modern asset valuation theory and the role of financial intermediaries, and their regulation, in the financial system.

Rules & Requirements

Prerequisites: 100A or 101A, and one semester of statistics

Credit Restrictions: Students will receive no credit for 136 after taking Undergraduate Business Administration 103. Students intending on majoring in Business should not take 136.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Summer:

6 weeks - 8 hours of lecture and 0-2 hours of discussion per week

8 weeks - 6 hours of lecture and 0-2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON N136 Financial Economics 4 Units

Analysis of financial assets and institutions. The course emphasizes modern asset valuation theory and the role of financial intermediaries, and their regulation, in the financial system.

Rules & Requirements

Prerequisites: 100A or 101A, and one semester of statistics

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer: 8 weeks - 8 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 138 Financial and Behavioral Economics 4 Units

This course is an advanced class in Financial Economics. Topics include moral hazard (principal-agent problems, free cash flow), asymmetric Information (security issuance, dividends), mergers and acquisitions (theory, managerial incentives), corporate governance (separation of ownership and control, internal capital markets, superstar CEOs), corporate fraud (earnings manipulations). This class emphasizes the economic underpinning of financial decision-making and is mathematically and technically demanding. You will be required to do some empirical homework using STATA.

Rules & Requirements

Prerequisites: 100A or 101A, and Statistics 20, 21, or 25 or any upper division statistics course

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Summer:

6 weeks - 7.5 hours of lecture and 0-2.5 hours of discussion per week
8 weeks - 6 hours of lecture and 0-1.5 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 140 Economic Statistics and Econometrics 4 Units

Introduction to problems of observation, estimation, and hypothesis testing in economics. This course covers the linear regression model and its application to empirical problems in economics.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B or equivalent and Statistics 20, 21, 25, or 131A or equivalent

Credit Restrictions: Students will not receive credit for 140 after taking 141.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1.5 hours of discussion per week

Summer: 8 weeks - 6 hours of lecture and 3 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 141 Econometric Analysis 4 Units

Introduction to problems of observation, estimation, and hypothesis testing in economics. This course covers the statistical theory for the linear regression model and its variants, with examples from empirical economics.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B or equivalent; Statistics 20, 21, 25, or 131A, or equivalent; and Mathematics 53 and 54, or equivalent

Credit Restrictions: Students will not receive credit for 141 after taking 140.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1.5 hours of discussion per week

Summer: 8 weeks - 4 hours of lecture and 3 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON C142 Applied Econometrics and Public Policy 4 Units

This course focuses on the sensible application of econometric methods to empirical problems in economics and public policy analysis. It provides background on issues that arise when analyzing non-experimental social science data and a guide for tools that are useful for empirical research.

By the end of the course, students will have an understanding of the types of research designs that can lead to convincing analysis and be comfortable working with large scale data sets.

Rules & Requirements

Prerequisites: 140 or 141 or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer: 8 weeks - 6 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Also listed as: POL SCI C131A/PUB POL C142

ECON 151 Labor Economics 4 Units

This course will analyze the economic forces that shape labor markets, institutions, and performance in the U.S., Japan, and at least one European country (usually Germany). Institutions examined include trade unions, legal regulations, and social conventions.

Rules & Requirements

Prerequisites: 100A or 101A, or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer:

6 weeks - 7.5 hours of lecture per week

8 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 152 Wage Theory and Policy 4 Units

This course focuses on theoretical and empirical analysis of wage and employment determination in the labor market. In addition, the role of public policy in affecting wage and employment outcomes in the U.S. labor market is examined. Topics include labor supply, labor demand, minimum wages, the economics of education and training, discrimination and the impact of antidiscrimination programs, changes in wage inequality over time, immigration, unions, unemployment, and poverty.

Rules & Requirements

Prerequisites: 100A or 101A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Summer: 8 weeks - 6 hours of lecture and 0-2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON N152 Wage Theory and Policy 4 Units

This course focuses on theoretical and empirical analysis of wage and employment determination in the labor market. In addition, the role of public policy in affecting wage and employment outcomes in the U.S. labor market is examined. Topics include labor supply, labor demand, minimum wages, the economics of education and training, discrimination and the impact of antidiscrimination programs, changes in wage inequality over time, immigration, unions, unemployment, and poverty.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer: 8 weeks - 8 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 153 Labor Economics Seminar 4 Units

Topics in labor economics. Seminar paper required.

Rules & Requirements

Prerequisites: 140 or 141, and 151 or 152 and consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 154 Economics of Discrimination 4 Units

Starting from Becker's classic book on the economics of discrimination, this course will focus on issues of difference and discrimination associated with race, gender, or nation of birth, focusing particularly on credit and housing markets, education, and health care. The course looks carefully at the ways in which econometrics is used to address questions of discrimination.

Rules & Requirements

Prerequisites: 140 or 141

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 155 Urban Economics 3 Units

Application of economic theory to urban problems. Topics covered include location theory, housing, transportation, and the fiscal problems of city government.

Rules & Requirements

Prerequisites: 100A or 101A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer:

6 weeks - 8 hours of lecture per week

8 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 157 Health Economics 4 Units

An economic analysis of policies and institutions in the U.S. health care sector. Topics covered include the supply and demand for health services, conceptual and policy issues relating to the provision of health insurance, and economic analysis of efficient regulatory policies toward the health care sector.

Rules & Requirements

Prerequisites: 100A or 101A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer: 8 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 161 Economics of Transition: Eastern Europe 4 Units

Economic behavior under socialism; socialism vs. capitalism. Transition challenges. Stylized facts of transition. Political economy of reform strategies. Liberalization and the macroeconomic environment. Privatization policies and enterprise restructuring. Legal reform, institutional change, and variation in economic performance across countries. Foreign trade and enlargement of the European Union to transition countries. The Washington consensus, transition, and the institutions of capitalism.

Rules & Requirements

Prerequisites: 100A or 101A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer: 8 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 162 The Chinese Economy 3 Units

The Chinese economy, its institutions, reform and transition to the market, and development.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer: 8 weeks - 5.5 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON C171 Economic Development 4 Units

Problems of underdevelopment and poverty, policy issues, and development strategy.

Rules & Requirements

Prerequisites: 100, Economics 100A or 101A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer:

6 weeks - 8 hours of lecture and 2 hours of discussion per week

8 weeks - 6 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: de Janvry

Also listed as: ENVECON C151

ECON N171 Economic Development 4 Units

Problems of underdevelopment and poverty, policy issues, and development strategy.

Rules & Requirements

Prerequisites: 100A or 101A or Environmental Economics and Policy 100

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Summer: 8 weeks - 8 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 172 Case Studies in Economic Development 4 Units

A detailed study of the problems of development in a selected geographical area in Asia or Africa or Latin America.

Rules & Requirements

Prerequisites: 100A

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 3-3 hours of lecture and 0-1 hours of discussion per week

Summer: 8 weeks - 6-6 hours of lecture and 0-2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 173 Economic Development Seminar 4 Units

A seminar paper will be required.

Rules & Requirements

Prerequisites: 171 or 172 and consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 174 Global Poverty and Impact Evaluation 4 Units

Rather than simply describing the causes and symptoms of global poverty, this course will explore the variety of tools available for rigorously measuring the impact of development programs. Through weekly case studies of field research, the course will cover impact evaluation theory and methods. The course will culminate with a final project in which each student will design an impact evaluation of a policy or intervention.

Rules & Requirements

Prerequisites: At least one prior term of intermediate economics (i.e., 100A or 100B) and some prior coursework in statistics

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Miguel

ECON C175 Economic Demography 3 Units

A general introduction to economic demography, addressing the following kinds of questions: What are the economic consequences of immigration to the U.S.? Will industrial nations be able to afford the health and pension costs of the aging populations? How has the size of the baby boom affected its economic well being? Why has fertility been high in Third World countries? In industrial countries, why is marriage postponed, divorce high, fertility so low, and extramarital fertility rising? What are the economic and environmental consequences of rapid population growth?

Rules & Requirements

Prerequisites: Economics 1 or 2

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer:

6 weeks - 7.5 hours of lecture per week

8 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Lee

Formerly known as: 175

Also listed as: DEMOG C175

ECON N175 Economic Demography 3 Units

A general introduction to economic demography, addressing the following kinds of questions: What are the economic consequences of immigration to the U.S.? Will industrial nations be able to afford the health and pension costs of the aging populations? How has the size of the baby boom affected its economic well being? Why has fertility been high in Third World countries? In industrial countries, why is marriage postponed, divorce high, fertility so low, and extramarital fertility rising? What are the economic and environmental consequences of rapid population growth?

Rules & Requirements

Prerequisites: Economics 1 or 2

Credit Restrictions: Students will receive no credit for Economics N175 after taking Economics C175/Demography C175; Economics 175/Demography 175. A deficient grade in Economics C175/Demography C175 may be removed by taking Economics N175.

Hours & Format

Summer: 8 weeks - 6 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON C181 International Trade 4 Units

The theory of international trade and its applications to tariff protection. This course is equivalent to UGBA 118; students will not receive credit for both courses.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Summer: 8 weeks - 6 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Also listed as: ENVECON C181

ECON N181 International Trade 4 Units

The theory of international trade and its applications to tariff protection.

Rules & Requirements

Prerequisites: Economics 100A-100B or Economics 101A-101B

Credit Restrictions: Students will receive no credit for Economics N181 after passing Economics 181 or Economics C181/Environmental Economics C181. A deficient grade in Economics 181, Economics C181/Environment Economics C181 may be removed by taking Economics N181.

Hours & Format**Summer:**

6 weeks - 11 hours of lecture per week

8 weeks - 8 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON 182 International Monetary Economics 4 Units

The balance of payments, the determination of the trade balance and income under fixed and floating exchange rates, money and prices in open economies, the internationalization of financial markets and its implications, international macroeconomic interdependence, capital flows, and the determination of the exchange rate.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 0-1 hours of discussion per week

Summer: 8 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 191 Topics in Economic Research 4 Units

This course discusses recent research and policy developments. The core objective is to expose students to different aspects of research in economics. A sequence of five different frontier research topics are studied in depth each semester. Each topic lasts three weeks, during which students will familiarize themselves with cutting-edge economic research and methodology. Students will then develop their own research ideas and write two medium-size research papers.

Rules & Requirements

Prerequisites: 100A or 100B

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON H195A Senior Honors Thesis 1 - 3 Units

Preparation for writing a thesis, finding and organizing a topic, gathering data and getting started. H195A is not prerequisite to H195B.

Rules & Requirements

Prerequisites: Senior honors candidates only (students with major GPA of 3.50 or better or permission of instructor.)

Hours & Format

Fall and/or spring: 15 weeks - 1-3 hours of independent study per week

Summer:

6 weeks - 1-5 hours of independent study per week

8 weeks - 1-4 hours of independent study per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

ECON H195AS Senior Honors Thesis 1 - 3 Units

Preparation and writing of an honors thesis under the supervision of a member of the faculty. H195AS is not a prerequisite to H195BS.

Rules & Requirements

Prerequisites: Senior honors candidates only, with major GPA of 3.5 or better. Permission of undergraduate adviser

Hours & Format

Summer: 15 weeks - 1-3 hours of independent study per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam required.

ECON H195B Senior Honors Thesis 1 - 3 Units

Writing a thesis under the supervision of a faculty member. Applications and details through the departmental undergraduate office. H195A is not prerequisite to H195B.

Rules & Requirements

Prerequisites: Senior honors candidates only (students with major GPA of 3.50 or better or permission of undergraduate adviser)

Hours & Format

Fall and/or spring: 15 weeks - 1-3 hours of independent study per week

Summer:

6 weeks - 1-5 hours of independent study per week

8 weeks - 1-4 hours of independent study per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

ECON H195BS Senior Honors Thesis 1 - 3 Units

Preparation and writing of an honors thesis under the supervision of a member of the faculty.

Rules & Requirements

Prerequisites: Senior honors candidates only, with major GPA of 3.5 or better. Permission of undergraduate adviser

Hours & Format

Summer: 15 weeks - 1-3 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 196 Special Topics in Economics 1 - 4 Units

Study in various fields of economics. Topics will vary from semester to semester and will be announced at the beginning of each semester.

Rules & Requirements

Prerequisites: Upper division standing or consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1-4 hours of lecture per week

Summer:

6 weeks - 2.5-10 hours of lecture per week

8 weeks - 1.5-7.5 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

ECON 197 Field Studies 1 - 4 Units

Written proposal must be approved by Department Chair. Supervised field studies in economics. Projects may be initiated by the students.

Rules & Requirements

Prerequisites: Upper-division standing

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1-4 hours of independent study per week

Summer:

6 weeks - 1-5 hours of independent study per week

8 weeks - 1-4 hours of independent study per week

10 weeks - 1.5-6 hours of independent study per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

ECON 198 Directed Group Study 1 - 4 Units

Written proposal must be approved by Department Chair. Seminars for the group study of selected topics, which will vary from year to year. Topics may be initiated by students.

Rules & Requirements

Prerequisites: Upper-division standing and consent of instructor

Credit Restrictions: Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1-4 hours of directed group study per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

ECON 199 Supervised Independent Study and Research 1 - 4 Units

Written proposal must be approved by Department Chair. Enrollment is restricted.

Rules & Requirements

Prerequisites: Upper-division standing

Credit Restrictions: Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Summer:

6 weeks - 1-5 hours of independent study per week

8 weeks - 1-4 hours of independent study per week

10 weeks - 1.5-6 hours of independent study per week

Additional Details

Subject/Course Level: Economics/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

ECON 201A Economic Theory 4 Units

Basic preparation for the Ph.D. program including theory of the firm and the consumer, game theory.

Rules & Requirements

Prerequisites: 101A-101B, 204, Mathematics 53 and 54; or equivalent

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 201B Economic Theory 4 Units

Basic preparation for the Ph.D. program including agency theory and mechanism design, general equilibrium theory.

Rules & Requirements

Prerequisites: 101A-101B, 201A, 204, Mathematics 53 and 54; or equivalent

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 202A Macroeconomic Theory 4 Units

Basic preparation for the Ph.D. program including aggregation theory, national accounting and index problems, survey of major short-term models, implications of various expectations hypotheses, wage price determination, the role of money and financial assets, theories of consumption and investment, disequilibrium theory, dynamic systems, and international considerations.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B or equivalent. Mathematics 53 and 54 or equivalent

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 202B Macroeconomic Theory 4 Units

Basic preparation for the Ph.D. program including aggregation theory, national accounting and index problems, survey of major short-term models, implications of various expectations hypotheses, wage price determination, the role of money and financial assets, theories of consumption and investment, disequilibrium theory, dynamic systems, and international considerations.

Rules & Requirements

Prerequisites: 100A-100B or 101A-101B or equivalent. Mathematics 50A or equivalent

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 204 Mathematical Tools for Economics 3 Units

The course provides a rigorous abstract treatment of the elements of real analysis and linear algebra central to current research in economics. The course develops in the students the ability to read mathematical proofs and to compose simple proofs on their own.

Rules & Requirements

Prerequisites: Mathematics 53 and 54 or equivalent and consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Summer: 3 weeks - 10 hours of lecture and 5 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 206 Mechanism Design and Agency Theory 3 Units

This course will study the optimal design of mechanisms in the presence of incomplete information and imperfect observability. The course will begin with the "classic" principal-agent problem and will then develop its applications to the "implicit contracts" theory of agency and to the choice of government policies for regulated industries. The second half of the course will treat the design of auctions, regulation with costly or imperfect monitoring, mechanism design with limited contracts.

Rules & Requirements

Prerequisites: 201B and 209A or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Formerly known as: 209B

ECON 207A Mathematical Economics 3 Units

Mathematical analysis of economic theory. The problems treated involve as wide a range of mathematical techniques and of economic topics as possible, including theories of preference, utility, demand, personal probability, games and general equilibrium. Also listed as IDS 213A-213B and Math 213A-213B.

Rules & Requirements

Prerequisites: MATH 104 and 110 and Statistics 101

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 207B Mathematical Economics 3 Units

Mathematical analysis of economic theory. The problems treated involve as wide a range of mathematical techniques and of economic topics as possible, including theories of preference, utility, demand, personal probability, games and general equilibrium. Also listed as IDS 213A-213B and Math 213A-213B.

Rules & Requirements

Prerequisites: MATH 104 and 110 and Statistics 101

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 208 Microeconomic Theory Seminar 3 Units**Rules & Requirements**

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 209A Theory and Application of Non-Cooperative Games 3 Units

This course will study both pure game theory and its application to such problems as oligopoly pricing, non-cooperative bargaining, predatory pricing, and optimal auctions. The focus will be on game theory as a modelling process as opposed to a body of known results.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 209B Theory and Application of Non-Cooperative Games: II 3 Units

The course will cover basic topics not covered in 209A; will provide a more thorough treatment of topics covered in 209A; will cover a selection of advanced topics.

Rules & Requirements

Prerequisites: 209A or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 210A Introduction to Economic History 3 Units

Survey of some central themes in world economic history. Required of all Ph.D. candidates in economics.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 210B Topics in European Economic History 3 Units
A survey of some central themes in European economic history.

Rules & Requirements

Prerequisites: 210A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 210C Topics in American Economic History 3 Units
A survey of some central themes in American economic history.

Rules & Requirements

Prerequisites: 210A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 211 Seminar in Economic History 3 Units

Rules & Requirements

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 215A Political Economics 3 Units

Tools of political economics: preferences and institutions, electoral competition, agency, partisan politics. Redistributive politics: general interest politics, special interest politics. Comparative politics: electoral rules, separation of powers, political regimes. Dynamic politics: fiscal policy, growth.

Rules & Requirements

Prerequisites: 215A is a prerequisite to 215B

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Instructor: Roland

ECON 215B Political Economics 3 Units

Tools of political economics: preferences and institutions, electoral competition, agency, partisan politics. Redistributive politics: general interest politics, special interest politics. Comparative politics: electoral rules, separation of powers, political regimes. Dynamic politics: fiscal policy, growth.

Rules & Requirements

Prerequisites: 215A is a prerequisite to 215B

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Instructor: Roland

ECON C215A Political Economics 3 Units

Tools of political economics: preferences and institutions, electoral competition, agency, partisan politics. Redistributive politics: general interest politics, special interest politics. Comparative politics: electoral rules, separation of powers, political regimes. Dynamic politics: fiscal policy, growth.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Also listed as: POL SCI C237A

ECON C215B Political Economics 3 Units

Tools of political economics: preferences and institutions, electoral competition, agency, partisan politics. Redistributive politics: general interest politics, special interest politics. Comparative politics: electoral rules, separation of powers, political regimes. Dynamic politics: fiscal policy, growth.

Rules & Requirements

Prerequisites: ECON C215A is a prerequisite to ECON C215B, and POL SCI C237A is a prerequisite to POL SCI C237B

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Also listed as: POL SCI C237B

ECON 217 Risk Seminar 3 Units

This interdisciplinary seminar features seminar participants and guest speakers from academic institutions and financial services firms, presenting work on the analysis and management of risk in financial markets. Economics, statistics, finance, operations research, and other disciplines will be represented.

Rules & Requirements

Prerequisites: Consent of instructor. Graduate standing

Credit Restrictions: Students will receive no credit for Economics 217 after completing Statistics 278B.

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructors: Goldberg, Anderson

ECON 218 Seminar in Psychology and Economics 3 Units

A graduate seminar in the field of behavioral economics.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Instructors: Della Vigna, Koszegi, Rabin

ECON 219A Foundations of Psychology and Economics 3 Units

This course presents psychological and experimental economics research demonstrating departures from perfect rationality, self-interest, and other classical assumptions of economics and explores ways that these departures can be mathematically modeled and incorporated into mainstream positive and normative economics. The course will focus on the behavioral evidence itself, especially on specific formal assumptions that capture the findings in a way that can be used by economists. Economic applications will be used for illustrative purposes, but the course will emphasize formal theory.

Rules & Requirements

Prerequisites: 201A-201B or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 219B Applications of Psychology and Economics 3 Units

This course will build off of the material presented in 219A. It will expand on the psychological and experimental economic research presented there, but will emphasize a range of economic applications and especially empirical research.

Rules & Requirements

Prerequisites: 219A, 240A-240B or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 220A Industrial Organization 3 Units

Market structure, conduct and performance in the unregulated sector of the American economy. Public policies related to the promotion or restriction of competition.

Rules & Requirements

Prerequisites: 201A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 220B Industrial Organization 3 Units

Continuation of 220A. The characteristics of regulated industries and the consequences of regulation for economic performance.

Rules & Requirements

Prerequisites: 220A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 220C Special Topics in Industrial Organization 3 Units

See course announcement for current topics.

Rules & Requirements

Prerequisites: 220A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 221 Seminar in Industrial Organization: Regulation and Public Enterprise 3 Units**Rules & Requirements**

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON C222 Economics of Innovation 3 Units

Study of innovation, technical change, and intellectual property, including the industrial organization and performance of high-technology industries and firms; the use of economic, patent, and other bibliometric data for the analysis of technical change; legal and economic issues of intellectual property rights; science and technology policy; and the contributions of innovation and diffusion to economic growth. Methods of analysis are both theoretical and empirical, econometric and case study.

Rules & Requirements

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Also listed as: PHDBA C279I

ECON 224 Economics of Institutions 3 Units

This course develops the proposition that institutions have pervasive ramifications for understanding economic organization. A comparative institutional approach is employed whereby the transaction is made the basic unit of analysis and alternative modes of organization are assessed with respect to their comparative contracting properties.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON C225 Workshop in Institutional Analysis 2 Units

This seminar features current research of faculty, from UC Berkeley and elsewhere, and of advanced doctoral students who are investigating the efficacy of economic and non-economic forms of organization. An interdisciplinary perspective--combining aspects of law, economics, and organization--is maintained. Markets, hierarchies, hybrids, bureaus, and the supporting institutions of law and politics all come under scrutiny. The aspiration is to progressively build toward a new science of organization.

Rules & Requirements

Prerequisites: Economics 100 or 101; Business Administration 110 or equivalent; or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Also listed as: PHDBA C270

ECON 230A Public Economics 3 Units

The economic and policy analysis of government expenditures, taxes, and intergovernmental fiscal relations. 230A is not a prerequisite for 230B.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 230B Public Economics 3 Units

Government intervention changes opportunities and incentives for firms, families, individuals, service providers, and state and local government. This course considers the incentive effects of government expenditure programs. The primary emphasis will be in the examination of the effect of social expenditure programs on individuals and families. Most of the papers will be empirical. The course will not contain an explicit section on methodology and econometric techniques; instead, relevant econometric techniques (e.g., discrete choice, duration analysis) will be discussed in the context of the empirical literature.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 230C Public Sector Microeconomics 3 Units

The economic and policy analysis of government expenditures, taxes, and intergovernmental fiscal relations.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 231 Seminar in Public Sector Economics 3 Units**Rules & Requirements**

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 234A Macroeconomic Finance 3 Units

Introduction to macroeconomic finance. Course covers static portfolio choice, capital asset pricing model (CAPM), consumption based models, dynamic equilibrium asset pricing theories, and current issues in behavioral finance. Strong emphasis on household finance and risk-sharing. Course is both theoretical and empirical.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Formerly known as: 236D

ECON 234C Financial Decision-Making in Firms 3 Units

This course provides a theoretical and empirical treatment of the core topics in corporate finance including internal corporate investment; external corporate investment (mergers and acquisitions); capital structure and financial contracting; bankruptcy; corporate governance.

Rules & Requirements

Prerequisites: 240A-240B or equivalent

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 235 Financial Economics Seminar 3 Units

This course presents speakers who work on the boundary of economics and finance, on topics including asset pricing, behavioral finance, and corporate finance.

Rules & Requirements

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 236A Aggregate Economics 3 Units

Macroeconomic models; theory and practice of aggregate economics; rational expectations models; finance theory integrated with macro.

Rules & Requirements

Prerequisites: For 236A: 201A-201B and 202A-202B. For 236B: 236A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 236B Aggregate Economics 3 Units

Macroeconomic models; theory and practice of aggregate economics; rational expectations models; finance theory integrated with macro.

Rules & Requirements

Prerequisites: For 236A: 201A-201B and 202A-202B. For 236B: 236A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 237 Seminar in Advanced Macroeconomics and Money 3 Units**Rules & Requirements**

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 240A Econometrics 5 Units

Basic preparation for the Ph.D. program including probability and statistical theory and the classical linear regression model.

Rules & Requirements

Prerequisites: 100A or 101A or equivalent; 100B or 101B or equivalent; Mathematics 53 and 54, or equivalent; Statistics 131A or equivalent

Hours & Format

Fall and/or spring: 15 weeks - 4 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Formerly known as: 240

ECON 240B Econometrics 4 Units

Basic preparation for the Ph.D. program including generalized least squares; instrumental variables estimation; generalized method of moments; time series analysis; and nonlinear models.

Rules & Requirements

Prerequisites: 240A or equivalent

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 241A Econometrics 4 Units

Intended for students specializing in econometrics and others with strong mathematical backgrounds. Linear and nonlinear statistical models and their applications in economics. Special problems in analyzing data from non-controlled experiments.

Rules & Requirements

Prerequisites: Statistics 200A-200B or equivalent and a course in linear algebra. Recommended: Math 112

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 241B Econometrics 4 Units

Simultaneous equations and time-series models.

Rules & Requirements

Prerequisites: 241A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 242 Seminar in Econometrics 3 Units

Rules & Requirements

Prerequisites: 240A-240B

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 244 Applied Econometrics 3 Units

Methods of applied econometrics, with emphasis on alternative modelling strategies and problems met in practice. Intended for doctoral students conducting empirical research.

Rules & Requirements

Prerequisites: 240A-240B

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 250A Labor Economics 3 Units

Analysis of labor market behavior.

Rules & Requirements

Prerequisites: 250A is prerequisite to 250B. Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 250B Labor Economics 3 Units

Analysis of labor market behavior.

Rules & Requirements

Prerequisites: 250A is prerequisite to 250B. Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 250C Labor Economics 3 Units

Analysis of labor market behavior.

Rules & Requirements

Prerequisites: 250B

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 251 Seminar in Labor Economics 3 Units

Seminar for students at the doctoral dissertation level.

Rules & Requirements

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 260A Comparative Economics 3 Units

New issues raised by transition for economics. Political economy of reform: speed, sequencing, reform design, political economy of privatization. Allocative changes: speed of sectoral reallocation, price liberalization, output fall and macroeconomic dynamics, law enforcement, dynamics of institutional change.

Rules & Requirements

Prerequisites: 260A is prerequisite to 260B

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Instructor: Roland

ECON 270B Development Economics 3 Units

Problems of underdevelopment and poverty, policy issues and development strategies.

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 270C Development Economics 3 Units

Basic macro-policy planning with investment project analysis.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON C270A Microeconomics of Development 3 Units

Theoretical and empirical analyses of poverty and inequality, household and community behavior, and contract and institutions in the context of developing countries.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Also listed as: A, RESEC C251

ECON 271 Seminar in Development Economics 3 Units**Rules & Requirements**

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 274 Global Poverty and Impact Evaluation 4 Units

Rather than simply describing the causes and symptoms of global poverty, this course will explore the variety of tools available for rigorously measuring the impact of development programs. Through weekly case studies of field research, the course will cover impact evaluation theory and methods. The course will culminate with a final project in which each student will design an impact evaluation of a policy or intervention.

Rules & Requirements

Prerequisites: At least one prior term of intermediate economics (i.e., 100A or 100B) and some prior coursework in statistics

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Instructor: Miguel

ECON C275A Economic Demography 3 Units

Economic consequences of demographic change in developing and developed countries including capital formation, labor markets, and intergenerational transfers. Economic determinants of fertility, mortality and migration.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

Instructor: Lee

Also listed as: DEMOG C275A

ECON 280A International Economics 3 Units

The world economy as a general equilibrium system. The theory of international economics, trade policy.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 280B International Economics 3 Units

This course develops basic theoretical models for studying issues in open-economy macroeconomics. The current account and the trade balance, international capital market integration, developing country debt problems, the real exchange rate, fiscal policy in the open economy, and international policy coordination.

Rules & Requirements

Prerequisites: 280A is not prerequisite to 280B

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 280C International Economics 3 Units

This course is an empirical treatment of open-economy macroeconomics and finance. Topics include trade elasticities, the determination of the trade balance and income under fixed and floating exchange rates, purchasing power parity, devaluation in small open economies, quantifying the degree of international capital mobility, implications for the effectiveness of monetary and fiscal policy, international interdependence and coordination, models of exchange rate determination.

Rules & Requirements

Prerequisites: 280B

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 281 Seminar in International Trade and Finance 3 Units**Rules & Requirements**

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 291 Departmental Seminar 1 Unit

A general interest seminar featuring speakers and topics of broad interest whose work will be important for all areas of economics.

Rules & Requirements

Prerequisites: 201B, 202B

Hours & Format

Fall and/or spring: 15 weeks - 1.5 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

ECON 295 Survey of Research in Economics 1 Unit

Presentations by departmental faculty of new research directions in different subfields of economics.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Offered for pass/not pass grade only.

ECON 296 Special Topics in Economics 3 Units

Topics of different sections to be announced annually.

Rules & Requirements

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Letter grade.

ECON 298 Directed Group Study for Graduates 1 - 4 Units
Seminars for the group of selected topics, which will vary from year to year.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

ECON 299 Supervised Independent Study and Research 1 - 12 Units
Open to candidates for the Ph.D. degree who have passed the qualifying examination and who are engaged in research for the thesis, and in special cases, with consent of the instructor in charge, to graduate students who desire to do special work in a particular field.

Rules & Requirements

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Summer:

6 weeks - 0 hours of independent study per week

8 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Economics/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

ECON 301 GSI Practicum 4 Units

Course credit for experience gained in academic teaching through employment as a graduate student instructor.

Rules & Requirements

Prerequisites: Appointment as graduate student instructor in department, consent of graduate advisor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Professional course for teachers or prospective teachers

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Olney

ECON 375 GSI Practicum 4 Units

Course credit for experience gained in academic teaching through employment as a graduate student instructor.

Rules & Requirements

Prerequisites: Appointment as graduate student instructor in department, consent of graduate advisor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Economics/Professional course for teachers or prospective teachers

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Olney

ECON 602 Individual Study for Doctoral Students 1 - 8 Units

Individual study in consultation with the major field advisor, intended to provide an opportunity for qualified graduate students to prepare themselves for the various examinations required of candidates for the Ph.D. A student will be permitted to accumulate a maximum of 16 units of 602.

Rules & Requirements

Credit Restrictions: Course does not satisfy unit or residence requirements for doctoral degree.

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Economics/Graduate examination preparation

Grading: Offered for satisfactory/unsatisfactory grade only.